



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/964,747	09/28/2001	Tom E. Pearson	219.40428X00	2168

20457 7590 07/16/2003

ANTONELLI, TERRY, STOUT & KRAUS, LLP
1300 NORTH SEVENTEENTH STREET
SUITE 1800
ARLINGTON, VA 22209-9889

EXAMINER

LUEBKE, RENEE S

ART UNIT

PAPER NUMBER

2833

DATE MAILED: 07/16/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Applicant No.	Applicant(s)
	09/964,747	PEARSON ET AL.
Examiner	Art Unit	
Renee S. Luebke	2833	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-28 is/are pending in the application.
 - 4a) Of the above claim(s) 10-22 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-9 and 23-28 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 14 November 2001 is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some *
 - c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) Interview Summary (PTO-413) Paper No(s) _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

Art Unit: 2833

1. Applicant's election with traverse of the claims of group 1, in Paper No. 6 filed June 3, 2003 is acknowledged. The traversal is on the grounds that MPEP 803 should apply and, apparently, that the search and examination can be done "without serious burden" to the Examiner. This is not found persuasive because the groups, drawn to an apparatus and a method of manufacture, are classified in two different arts and require different searches. This inherently causes a serious burden. The requirement is still deemed proper and is therefore made FINAL.

Claims 10-22 are withdrawn. Claims 1-9 and 23-28 are examined on the merits below.

2. The corrected or substitute drawings were received on November 14, 2001. These drawings are objected to because:

a. Fig. 1 should be labeled -Prior Art- since it does not depict the present invention.

b. In Fig. 1, the circles (10 and 20) appear to be part of the structure. They should be drawn with line weights or types that distinguish them from the structure, or deleted.

c. Reference numeral 80 should be found in fig. 4 (see page 8, line 19). It appears that "68" should be changed to -80-.

d. In Fig. 5A the circle should be labeled -5B- or deleted. If it remains, it too should be drawn with line weights or types that distinguish it from the structure.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-3 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Zink, et al. This mechanism comprises a printed circuit board 145 having a first surface (showing), a second surface (below) and a first edge with female members or openings (146, 148, etc.) to receive the male members 164 from the first edge of an extension board 166. In regard to claim 3, it is noted that the male member does not extend above or below the surfaces of the printed circuit board (see Fig. 12).

5. Claims 1-9 and 23-28 are rejected under 35 U.S.C. 102(b) as being anticipated by Korsunsky, et al. This mechanism comprises a printed circuit board 12 having a first surface 14, a second surface 16 and a first edge 18 with female members or openings 24 to receive the male members 50 from the first edge of an extension board 10. The male member does not extend above or below the surfaces of the printed circuit. The extension board further comprises a guide member 38 that extends from the first edge.

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The devices of Woychik, Lindeman and the Japanese document are further examples of a circuit board with an opening at the edge into which a male member of an extension board is inserted.

7. **Any response to this action may be mailed to:**

**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

For additional information regarding this new address, which was effective May 1, 2003, see *Correspondence with the United States Patent and Trademark Office*, 68 Fed. Reg. 14332 (March 25, 2003).

or faxed to:

(703) 872-9318 or 308-7722 or 308-7724
(informal or draft communications should be clearly labeled "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to:

Crystal Plaza 4, Fourth Floor (Receptionist)
2201 South Clark Place, Arlington, Virginia.

8. Any inquiry concerning this communication from the examiner should be directed to Mrs. Renee Luebke whose telephone number is (703) 308-1511.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mrs. Paula Bradley, can be reached at (703) 308-2319.



Renee S. Luebke
Primary Patent Examiner
July 9, 2003